



Cast iron soil pipe, fittings, and means of joining



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Preface

This is the twelfth edition of CSA B70, *Cast iron soil pipe, fittings, and means of joining*. It supersedes the previous editions published in 2012, 2006, 2002, 1997, 1991, 1986, 1978, 1974, 1971, 1963, and 1941.

This edition includes the following significant changes:

- a) an additional size for plain-end pipe and fittings; and
- b) revision to the elastomeric gasket marking requirements.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Technical Committee on Cast Iron Soil Pipe, under the jurisdiction of the Strategic Steering Committee on Construction and Civil Infrastructure, and has been formally approved by the Technical Committee.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
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 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at standardsactivities.csa.ca.

- 5) *This Standard is subject to review within five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to **inquiries@csagroup.org** and include “Proposal for change” in the subject line:*
 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA B70:19

Cast iron soil pipe, fittings, and means of joining

1 Scope

1.1

This Standard covers cast iron soil pipe, fittings, and means of joining for installation in gravity-flow plumbing systems inside and outside of buildings, above and below grade.

Note: *Pipe and fittings that comply with this Standard are not universally compatible with pipe and fittings manufactured in accordance with ASTM A74 and ASTM A888.*

1.2

In CSA standards, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.3

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only. All references to gallons are to US gallons.

2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

CSA Group

CAN/CSA-B602-16

Mechanical couplings for drain, waste, and vent pipe and sewer pipe

ASME (The American Society of Mechanical Engineers)

B1.20.1-2013

Pipe Threads, General Purpose, Inch